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1600

RAW SEQUENCE LISTING

DATE: 11/10/2003

PATENT APPLICATION: US/09/944,030A

TIME: 11:01:47

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\11102003\I944030A.raw

3 <110> APPLICANT: Muimo, Richard
 4 Mehta, Anil
 6 <120> TITLE OF INVENTION: METHODS OF DETERMINING ALTERED NDPK FUNCTIONS AND THE
 DIAGNOSIS OF CYSTIC
 7 FIBROSIS
 9 <130> FILE REFERENCE: 002.00190
 11 <140> CURRENT APPLICATION NUMBER: 09/944,030A
 12 <141> CURRENT FILING DATE: 2001-08-31
 14 <150> PRIOR APPLICATION NUMBER: PCT/GB00/00736
 15 <151> PRIOR FILING DATE: 2000-03-02
 17 <160> NUMBER OF SEQ ID NOS: 12
 19 <170> SOFTWARE: PatentIn version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 14
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
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 29 1 5 10
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 14
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Ovis aries
 37 <400> SEQUENCE: 2
 39 Lys Asp Asn Ile Ile Phe Gly Val Ser Tyr Asp Glu Tyr Arg
 40 1 5 10
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 13
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Homo sapiens
 48 <400> SEQUENCE: 3
 50 Lys Glu Asn Ile Ile Gly Val Ser Tyr Asp Glu Tyr Arg
 51 1 5 10
 54 <210> SEQ ID NO: 4
 55 <211> LENGTH: 15
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide of F508 region of
 ovi
 61 ne wild-type cftr with added terminal cysteine
 63 <400> SEQUENCE: 4
 65 Lys Asp Asn Ile Ile Phe Gly Val Ser Tyr Asp Glu Tyr Arg Cys
 66 1 5 10 15

ENTERED

69 <210> SEQ ID NO: 5

RAW SEQUENCE LISTING

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71 <212> TYPE: PRT
72 <213> ORGANISM: Mus musculus
74 <400> SEQUENCE: 5
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81 <211> LENGTH: 12
82 <212> TYPE: PRT
83 <213> ORGANISM: Mus musculus
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87 Val Leu Asp Leu Glu Leu Lys Gly Asp Ile Glu Lys
88 1          5          10
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92 <211> LENGTH: 346
93 <212> TYPE: PRT
94 <213> ORGANISM: Bos taurus
96 <400> SEQUENCE: 7
98 Met Ala Met Val Ser Glu Phe Leu Lys Gln Ala Trp Phe Ile Glu Asn
99 1          5          10          15
102 Glu Glu Gln Glu Tyr Ile Lys Thr Val Lys Gly Ser Lys Gly Gly Pro
103          20          25          30
106 Gly Ser Ala Val Ser Pro Tyr Pro Thr Phe Asn Pro Ser Ser Asp Val
107          35          40          45
110 Glu Ala Leu His Lys Ala Ile Thr Val Lys Gly Val Asp Glu Ala Thr
111          50          55          60
114 Ile Ile Glu Ile Leu Thr Lys Arg Asn Asn Ala Gln Arg Gln Gln Ile
115 65          70          75          80
118 Lys Ala Ala Tyr Leu Gln Glu Lys Gly Lys Pro Leu Asp Glu Val Leu
119          85          90          95
122 Lys Lys Ala Leu Leu Gly His Leu Glu Glu Val Val Leu Ala Leu Leu
123          100         105         110
126 Lys Thr Pro Ala Gln Phe Asp Ala Glu Glu Leu Arg Ala Ala Met Lys
127          115         120         125
130 Gly Leu Gly Thr Asp Glu Asp Thr Leu Asn Glu Ile Leu Ala Ser Arg
131          130         135         140
134 Thr Asn Arg Glu Ile Arg Glu Ile Asn Arg Val His Arg Glu Glu Leu
135 145         150         155         160
138 Lys Arg Asp Leu Ala Lys Asp Ile Ala Ser Asp Thr Ser Gly Asp Tyr
139          165         170         175
142 Glu Lys Ala Leu Leu Ala Leu Ala Lys Gly Asp Arg Ser Glu Glu Leu
143          180         185         190
146 Ala Val Asn Asp Asp Leu Ala Asp Ser Asp Ala Arg Ala Leu Tyr Glu
147          195         200         205
150 Ala Gly Glu Arg Arg Lys Gly Thr Asp Val Asn Val Phe Thr Thr Ile
151          210         215         220
154 Leu Thr Thr Arg Ser Tyr Pro His Leu Arg Arg Val Phe Gln Lys Tyr
155 225         230         235         240
158 Ser Lys Tyr Ser Lys His Asp Met Asn Lys Val Leu Asp Leu Glu Leu

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159          245          250          255
162 Lys Gly Asp Ile Glu Lys Cys Leu Thr Val Ile Val Lys Cys Ala Thr
163          260          265          270
166 Ser Gln Pro Met Phe Phe Ala Glu Lys Leu His Gln Ala Met Lys Gly
167          275          280          285
170 Ile Gly Thr Arg His Lys Thr Leu Ile Arg Ile Met Val Ser Arg Ser
171          290          295          300
174 Glu Ile Asp Met Asn Asp Ile Lys Ala Cys Tyr Gln Lys Leu Tyr Gly
175 305          310          315          320
178 Ile Ser Leu Cys Gln Ala Ile Leu Asp Glu Thr Lys Gly Asp Tyr Glu
179          325          330          335
182 Lys Ile Leu Val Ala Leu Cys Gly Arg Asp
183          340          345
186 <210> SEQ ID NO: 8
187 <211> LENGTH: 67
188 <212> TYPE: PRT
189 <213> ORGANISM: Oryctolagus cuniculus
191 <400> SEQUENCE: 8
193 Arg Ser Tyr Leu His Leu Arg Arg Val Phe Gln Lys Tyr Ser Lys Tyr
194 1          5          10          15
197 Ser Gln His Asp Met Asn Lys Val Leu Asp Leu Glu Leu Lys Gly Asp
198          20          25          30
201 Ile Glu Lys Cys Leu Thr Ala Ile Val Gln Cys Ala Thr Cys Lys Pro
202          35          40          45
205 Ala Tyr Phe Ala Glu Lys Leu Tyr Gln Ala Met Lys Gly Ala Gly Thr
206          50          55          60
209 Arg His Lys
210 65
213 <210> SEQ ID NO: 9
214 <211> LENGTH: 67
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 9
220 Arg Ser Tyr Pro Gln Leu Arg Arg Val Phe Gln Lys Tyr Thr Lys Tyr
221 1          5          10          15
224 Ser Lys His Asp Met Asn Lys Val Leu Asp Leu Glu Leu Lys Gly Asp
225          20          25          30
228 Ile Glu Lys Cys Leu Thr Ala Ile Val Lys Cys Ala Thr Cys Lys Pro
229          35          40          45
232 Ala Phe Phe Ala Glu Lys Leu His Gln Ala Met Lys Gly Val Gly Thr
233          50          55          60
236 Arg His Lys
237 65
240 <210> SEQ ID NO: 10
241 <211> LENGTH: 67
242 <212> TYPE: PRT
243 <213> ORGANISM: Bos taurus
245 <400> SEQUENCE: 10
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Input Set : A:\PTO.YF.txt

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248 1          5          10          15
251 Ser Lys His Asp Met Asn Lys Val Leu Asp Leu Glu Leu Lys Gly Asp
252          20          25          30
255 Ile Glu Lys Cys Leu Thr Val Ile Val Lys Cys Ala Thr Ser Gln Pro
256          35          40          45
259 Met Phe Phe Ala Glu Lys Leu His Gln Ala Met Lys Gly Ile Gly Thr
260          50          55          60
263 Arg His Lys
264 65
267 <210> SEQ ID NO: 11
268 <211> LENGTH: 67
269 <212> TYPE: PRT
270 <213> ORGANISM: Mus musculus
272 <400> SEQUENCE: 11
274 Arg Ser Phe Pro His Leu Arg Arg Val Phe Gln Asn Tyr Gly Lys Tyr
275 1          5          10          15
278 Ser Gln His Asp Met Asn Lys Ala Leu Asp Leu Glu Leu Lys Gly Asp
279          20          25          30
282 Ile Glu Lys Cys Leu Thr Thr Ile Val Lys Cys Ala Thr Ser Thr Pro
283          35          40          45
286 Ala Phe Phe Ala Glu Lys Leu Tyr Glu Ala Met Lys Gly Ala Gly Thr
287          50          55          60
290 Arg His Lys
291 65
294 <210> SEQ ID NO: 12
295 <211> LENGTH: 11
296 <212> TYPE: PRT
297 <213> ORGANISM: Homo sapiens
299 <400> SEQUENCE: 12
301 Thr Ala Ser Gly Val Ala Glu Thr Thr Asn Cys
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/944,030A

DATE: 11/10/2003
TIME: 11:01:48

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\11102003\I944030A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

VERIFICATION SUMMARY

DATE: 11/10/2003

PATENT APPLICATION: US/09/944,030A

TIME: 11:01:48

Input Set : A:\PTO.YF.txt

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